An Origin Attribute for the STUN Protocol

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STUN ORIGIN Attribute

- Adds origin insight to STUN and TURN requests
- Use cases:
  - Logging and monitoring (who is using my STUN or TURN servers?)
  - Realm selection for multi-tenanted TURN server (which domain is my user?)
    - Identifies realm to authenticate with
    - Can use the same code and TURN URI for multiple sites
    - Don't need to use separate IP address or port for each domain

STUN Origin Approach

- Empowers STUN and TURN with insight common in Web interactions (provides insight browsers already know and use)

- Not only HTTP and HTTPS specific, a SIP origin is proposed

Open Issues

- Length limit of Origin string?
  - How many octets of UTF-8 is the maximum?
- Potential ICE use cases?
  - None identified so far
- Others?

Next Steps

- Initial draft has received significant discussion and overall positive response

- More reviews soon please!